

ABSTRACT

There is provided a magnetic recording apparatus which, even when crosstalk occurs between signals from three photosensitive parts of a photodetector, can detect a high-precision tracking error signal with stability.

In a signal processing unit 61 which processes electrical signals outputted from photosensitive part of a photodetector 15 to detect a tracking error signal, an output signal from an I-V converting unit 354 is subjected to voltage division by voltage-dividing units 381 and 382, and the voltage-divided output signals and output signals from I-V converting units 353 and 355 are subjected to differential calculation by differential arithmetic units 376 and 377, respectively.

65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99